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                   resulting in a closer connection to BABS
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                   fields
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                   Patent Office Classifications
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                   (Version 7.01 for Windows) now available
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 NEWS  8  AUG 27   BIOTECHABS/BIOTECHDS: Two new display fields added for legal
                   status data from INPADOC
 NEWS  9  SEP 01   INPADOC: New family current-awareness alert (SDI) available
 NEWS 10  SEP 01   New pricing for the Save Answers for SciFinder Wizard within
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 NEWS 12  SEP 27   STANDARDS will no longer be available on STN
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               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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FILE 'WPIDS' ENTERED AT 18:35:19 ON 17 NOV 2004
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=> s alkaligenes and creatine
L1            6 ALKALIGENES AND CREATINE

=> s alcaligenes and creatine
L2           54 ALCALIGENES AND CREATINE

=> s l1 not l2
L3            4 L1 NOT L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4             4 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 1-4

L4   ANSWER 1 OF 4  BIOSIS  COPYRIGHT (c) 2004 The Thomson Corporation.  on STN
AN   2002:29488  BIOSIS
DN   PREV200200029488
TI     ***Creatine***   amidinohydrolase from   ***alkaligenes***   sp. KS-85
     ferm BP-4487.
AU   Furukawa, K. [Inventor]; Hashimoto, K. [Inventor]; Suzuki, M. [Inventor]
CS   Noda, Japan
     ASSIGNEE: KIKKOMAN CORPORATION
PI   US 5451520 Sept. 19, 1995
SO   Official Gazette of the United States Patent and Trademark Office Patents,
     (Sept. 19, 1995) Vol. 1178, No. 3, pp. 1663. print.
     CODEN: OGUPE7. ISSN: 0098-1133.
DT   Patent
LA   English
ED   Entered STN: 26 Dec 2001
     Last Updated on STN: 25 Feb 2002

L4   ANSWER 2 OF 4  WPIDS  COPYRIGHT 2004 THE THOMSON CORP on STN
AN   1981-40767D [23]   WPIDS
TI   Creatinine amidohydrase prodn. - by aerobic culture of bacteria of genus
       ***Alkaligenes***   and recovering enzyme from culture medium.
DC   B04 D16
PA   (KOBA-N) KOBAYASHI SEIYAKU K
CYC  1
PI   JP 56039781     A  19810415 (198123)*
     JP 57029992     B  19820625 (198229)
PRAI JP 1979-116369       19790911
IC   C12N009-80; C12R001-05

L4   ANSWER 3 OF 4  WPIDS  COPYRIGHT 2004 THE THOMSON CORP on STN
AN   1980-28511C [16]   WPIDS
TI   Creatinine amidohydrolase and/or   ***creatine***   amidino-hydrolase
     prodn. - by incubation of   ***Alkaligenes***   ak-2, prod. being useful
     for creatinine analysis.
DC   B04 D16 J04
PA   (TOYM) TOYOBO KK
```

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CYC  1
PI   JP 55034029      A  19800310 (198016)*
     JP 60050437      B  19851108 (198549)
PRAI JP 1978-105039       19780828
IC   C12N009-80; C12R001-05

L4   ANSWER 4 OF 4  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   1916:16790  HCAPLUS
DN   10:16790
OREF 10:3088h-i,3089a-d
TI   Studies in the nitrogen metabolism of bacteria
AU   Sears, H. J.
CS   Stanford Univ.
SO   Journal of Infectious Diseases (1916), 19, 106-37
     CODEN: JIDIAQ; ISSN: 0022-1899
DT   Journal
LA   Unavailable


=> dup rem l2
PROCESSING COMPLETED FOR L2
L5            30 DUP REM L2 (24 DUPLICATES REMOVED)

=> d 1-10

L5   ANSWER 1 OF 30  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:869629  HCAPLUS
DN   137:364365
TI   Analysis of biological states by recognizing statistically significant
     patterns in gene expression profiles
IN   Stephanopoulos, Gregory; Misra, Jatin; Hwang, Daehee; Schmitt, William A.;
     Alevizos, Ilias; Silva, Saliya Sudharshana; Gill, Ryan T.
PA   USA
SO   U.S. Pat. Appl. Publ., 63 pp.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
PI   US 2002169562         A1    20021114    US 2002-60048           20020129
     US 2004181344         A1    20040916    US 2003-716825          20031118
PRAI US 2001-264779P       P     20010129
     US 2001-285186P       P     20010420
     US 2002-60048         A2    20020129
     US 2002-427265P       P     20021118

L5   ANSWER 2 OF 30  BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
     DUPLICATE 1
AN   2000-12466  BIOTECHDS
TI   Novel thermostable   ***Alcaligenes***  -derived   ***creatine***
     -amidinohydrolase, useful for the diagnosis of kidney diseases and
     related diseases;
        creatinase production involving vector plasmid pUCE100-mediated gene
        transfer for expression Escherichia coli
AU   Furukawa K; Koyama Y; Suzuki M
PA   Kikkoman
LO   Chiba, Japan.
PI   WO 2000040708 13 Jul 2000
AI   WO 1999-JP7424 28 Dec 1999
PRAI JP 1999-33359 1 Jan 1999
DT   Patent
LA   Japanese
OS   WPI: 2000-475827 [41]

L5   ANSWER 3 OF 30  BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
     DUPLICATE 2
AN   2000-11471  BIOTECHDS
TI   Highly thermostable   ***creatine***  -amidinohydrolase with optimum pH
     in weakly acidic region, useful in assaying serum or urine
       ***creatine***   for diagnosis of e.g. kidney diseases, scarcely affected
     by bilirubin;
           ***creatine***  -amidohydrolase isolation, produced by a
        transformant Escherichia coli
AU   Furukawa K; Ichikawa T
PA   Kikkoman
```

LO Chiba, Japan.
PI WO 2000031245 2 Jun 2000
AI WO 1999-JP6583 25 Nov 1999
PRAI JP 1998-334252 25 Nov 1998
DT Patent
LA Japanese
OS WPI: 2000-411951 [35]

L5 ANSWER 4 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:423907 HCAPLUS
DN 129:92258
TI Recombinant preparation of ***creatine*** amidinohydrolase mutants of ***Alcaligenes*** faecalis with improved thermostability
IN Sokabe, Atsushi; Nishiya, Yoshiaki; Kawamura, Yoshihisa
PA Toyobo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10174585	A2	19980630	JP 1996-337027	19961217
	JP 3422197	B2	20030630		
	JP 2001346594	A2	20011218	JP 2001-121708	19961217
PRAI	JP 1996-337027	A3	19961217		

L5 ANSWER 5 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
AN 1997-10210 BIOTECHDS
TI Novel creatinine-amidohydrolase;
Alcaligenes faecalis recombinant thermostable creatininase purification, characterization and expression
PA Toyobo
LO Japan.
PI JP 09154574 17 Jun 1997
AI JP 1995-314295 1 Dec 1995
PRAI JP 1995-314295 1 Dec 1995
DT Patent
LA Japanese
OS WPI: 1997-367057 [34]

L5 ANSWER 6 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:591389 HCAPLUS
DN 127:187507
TI Novel mutant ***creatine*** amidinohydrolase from ***Alcaligenes*** and its production and analytical use
IN Sogabe, Atsushi; Hattori, Takashi; Nishiya, Yoshiaka; Kawamura, Yoshihisa
PA Toyo Boseki Kabushiki Kaisha, Japan
SO Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 790303	A1	19970820	EP 1997-102270	19970213
	R: DE, FR, GB, IT				
	JP 09215494	A2	19970819	JP 1996-25435	19960213
	JP 3075390	B2	20000814		
	US 6080553	A	20000627	US 1997-799897	19970213
	EP 1132467	A2	20010912	EP 2001-113052	19970213
	EP 1132467	A3	20011010		
	R: DE, FR, GB, IT				
PRAI	JP 1996-25435	A	19960213		
	EP 1997-102270	A3	19970213		

L5 ANSWER 7 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 3
AN 1997-02494 BIOTECHDS
TI A gene coding for ***creatine*** -amidinohydrolase;
Alcaligenes faecalis thermostable creatinase expression in Serratia liquefaciens for use in ***creatine*** determination and disease diagnosis
PA Toyobo
LO Japan.
PI JP 08308579 26 Nov 1996

AI JP 1995-117283 16 May 1995
PRAI JP 1995-117283 16 May 1995
DT Patent
LA Japanese
OS WPI: 1997-059698 [06]

L5 ANSWER 8 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 4
AN 1996-06800 BIOTECHDS
TI DNA encoding ***creatine*** -amidinohydrolase;
Alcaligenes sp. creatinase gene cloning and expression for use in kidney disease diagnosis, etc.
AU Furukawa K; Ichikawa T; Suzuki M; Koyama Y
PA Kikkoman
LO Chiba, Japan.
PI DE 19536506 4 Apr 1996
AI DE 1995-1036506 29 Sep 1995
PRAI JP 1994-235737 29 Sep 1994
DT Patent
LA German
OS WPI: 1996-180805 [19]

L5 ANSWER 9 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 5
AN 1996-01134 BIOTECHDS
TI ***Creatine*** -amidinohydrolase;
purification and characterization of creatinase produced by ***Alcaligenes*** faecalis
PA Toyobo
LO Japan.
PI JP 07265074 17 Oct 1995
AI JP 1994-63363 31 Mar 1994
PRAI JP 1994-63363 31 Mar 1994
DT Patent
LA Japanese
OS WPI: 1995-388685 [50]

L5 ANSWER 10 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 6
AN 1995-11084 BIOTECHDS
TI New ***creatine*** -amidinohydrolase enzyme from ***Alcaligenes*** ;
creatinase preparation, purification and characterization from ***Alcaligenes*** sp. for use as a diagnostic
AU Furukawa K; Hashimoto K; Suzuki M
PA Kikkoman
PI DE 4445084 22 Jun 1995
AI DE 1994-4445084 16 Dec 1994
PRAI JP 1993-318675 17 Dec 1993
DT Patent
LA German
OS WPI: 1995-225787 [30]

=> d 8-10 ab

L5 ANSWER 8 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
AB A new DNA sequence (1215 bp) encodes a ***creatine*** -amidinohydrolase (CAH, creatinase, EC-3.5.3.3) with a 404-amino-acid protein sequence, or is a degenerate or hybridizing sequence. The DNA may be inserted in a vector for expression in a host cell. The enzyme is from ***Alcaligenes*** sp. KS-85 (FERM BP-4487). The enzyme is specific for ***creatine*** , converting it to sarcosine and urea, and has a pH optimum of 7-9 (with stability at pH 5-10.5) and a temp. optimum of 35-45 deg. The enzyme is strongly inhibited by silver, mercury and copper, has a Km for ***creatine*** of 0.013 M, and has a mol.wt. of 75,000-85,000 (gel filtration). The enzyme may be used in quantification of ***creatine*** , e.g. in diagnosis of kidney disease by measuring the ***creatine*** content of serum or urine. CAH may be produced efficiently by this method, without addition of ***creatine*** to the culture medium. Unlike known CAHs, the new CAH has a low Km, which reduces assay time, and is stable over a wide pH range. (18pp)

L5 ANSWER 9 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
AB A thermostable ***creatine*** -amidinohydrolase (creatinase, EC-3.5.3.3) produced by ***Alcaligenes*** faecalis TE3581 (FERM

P-14237) is claimed. The new enzyme has the following properties: (1) optimal temp. 40-45 deg; (2) optimal pH 8.0-8.1; (3) thermostable at up to 50 deg at pH 7.5 for 30 min; (4) stable at pH 5-8 and at 40 deg for 18 hr; (5) Km = 15.2 mM (***creatine***); (6) mol.wt. 67,000 (gel filtration) and 43,000 (SDS-PAGE); and (7) pI = 3.5. The enzyme is produced by culturing A. faecalis TE3581 in a nutrient medium at 20-40 (preferably 25-37) deg and at pH 5-9 (preferably 6-8) for 1-7 days under aerobic conditions. The enzyme is isolated and purified by conventional methods. The thermostable creatinase is useful for the quantitative determination of ***creatine*** . In an example, 100 ul of a ***creatine*** solution (6 mg/l) was added to 3 ml of a mixture of 50 U/ml creatinase, 20 U/ml sarcosine-oxidase (EC-1.5.3.1), 2.9 U/ml peroxidase (EC-1.11.1.7), 0.1 M PIPES buffer (pH 7.0), 0.74 mM 4-aminoantipyrine and 1 mM DAOS. Changes in the absorption rate were determined at 1 min intervals at 37 deg and 600 nm for 10 min. (9pp)

L5 ANSWER 10 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
AB A creatinase enzyme ((I), EC-3.5.3.3) with the following properties, is claimed: (a) it hydrolyzes ***creatine*** to produce 1 mol sarcosine and 1 mol urea from 1 mol ***creatine*** ; (b) it has substrate-specificity for ***creatine*** ; (c) an optimum pH of 7-9; (d) it has an optimum temp. of 35-45 deg; (e) it is stable at pH 5-10.5 for 17 hrs at 25 deg; (f) it is stable at 45 deg for 30 min at pH 7.5; (g) it is inhibited by AgNO3, HgCl2 and CuSO4; and (h) it has a mol.wt. 80,000 +/- 5,000. Also claimed is a process for producing (I) involving culturing a (I)-producing ***Alcaligenes*** strain and isolating (I) from the culture. (I) is useful in the determination of ***creatine*** and/or creatinine, especially in human serine or urine e.g. for diagnosis of kidney disease. In an example, a medium (20 l) containing 1.6% ***creatine*** , 2% polypeptone, 0.8% yeast extract, 0.03% KH2PO4, 0.07% K2HPO4, 0.02% MgSO4.7H2O and 0.02% MnSO4.4H2O was inoculated with an ***Alcaligenes*** sp. KS-85 (FERM BP-4487) seed culture and stirred and aerated at 30 deg for 24 hrs. The enzyme was purified by column chromatography to give 2.2 g product with a specific activity of 9 U/OD280. (12pp)

=> d 7 ab

L5 ANSWER 7 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
AB A creatinase (I, EC-3.5.3.3) gene encoding (I) of disclosed protein sequence or an enzyme with at least 1 amino acid addition, deletion or substitution is claimed. Also claimed are: a gene encoding (I) with the ability to convert ***creatine*** and water into sarcosine and urea, having optimal activity at 40-45 deg and pH 8.0-9.0, being stable at 50 deg (pH 7.5, 30 min) and pH 4-10, having a Km value for ***creatine*** of about 15.2 mM and a mol.wt. of 43,000 (SDS-PAGE), and having an isoelectric point of pH 3.5; a gene encoding (I) produced by ***Alcaligenes*** faecalis TE3581 (FERM P-14237); a (I) gene of disclosed DNA sequence; a recombinant vector containing a (I) gene; a transformant formed by transforming host cells (preferably Gram-negative bacteria, especially Serratia liquefaciens) with the recombinant vector; and production of recombinant (I), which involves culturing the transformant in culture medium and recovering the produced (I). (I) is used in quantification of blood or urinary (I) and ***creatine*** in disease diagnosis. (I) is thermostable.

=> d 11-20

L5 ANSWER 11 OF 30 LIFESCI COPYRIGHT 2004 CSA on STN
AN 97:10782 LIFESCI
TI ***Creatine*** amidinohydrolase from Alkaligenes sp. ks-85 ferm bp-4487
CS KIKKOMAN CORPORATION
SO (1995) . US Patent 5451520; US Cl. 435/227 435/252.1 435/829.
DT Patent
FS A; W2
LA English

L5 ANSWER 12 OF 30 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 93:390121 SCISEARCH
GA The Genuine Article (R) Number: LG890
TI AN ASYNCHRONOUS UNFOLDING AMONG MOLECULAR DIFFERENT REGIONS OF LOBSTER D-GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE AND MALTOTETRAOSE-FORMING

AMYLASE FROM AN ***ALCALIGENES*** SP DURING GUANIDINE DENATURATION
AU HE R Q (Reprint); ZHAO K Y; YAN Z Z; LI M
CS ACAD SINICA, INST BIOPHYS, NATL LAB BIOMACROMOLEC, 15 DAN TUN RD, BEIJING 100101, PEOPLES R CHINA (Reprint); CHINESE ACAD SCI, INST MICROBIOL, BEIJING, PEOPLES R CHINA
CYA PEOPLES REPUBLIC OF CHINA
SO BIOCHIMICA ET BIOPHYSICA ACTA, (04 JUN 1993) Vol. 1163, No. 3, pp. 315-320.
ISSN: 0006-3002.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 31
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 13 OF 30 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 92:609285 SCISEARCH
GA The Genuine Article (R) Number: JT339
TI EFFECTS OF PH, TEMPERATURE AND REACTION-PRODUCTS ON THE PERFORMANCE OF AN IMMOBILIZED CREATININASE-CREATINASE-SARCOSINE OXIDASE ENZYME-SYSTEM FOR CREATININE DETERMINATION
AU SAKSLUND H; HAMMERICH O (Reprint)
CS UNIV COPENHAGEN, HC ORSTED INST, DEPT CHEM, UNIVERSITETSPARKEN 5, DK-2100 COPENHAGEN, DENMARK
CYA DENMARK
SO ANALYTICA CHIMICA ACTA, (16 OCT 1992) Vol. 268, No. 2, pp. 331-345.
ISSN: 0003-2670.
DT Article; Journal
FS PHYS
LA ENGLISH
REC Reference Count: 49
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L5 ANSWER 14 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 7
AN 1987-09207 BIOTECHDS
TI Production of ***creatine*** -amidinohydrolase; using ***Alcaligenes*** sp.
PA Kobayashi-Pharm.
PI JP 62091182 25 Apr 1987
AI JP 1985-234163 18 Oct 1985
PRAI JP 1985-234163 18 Oct 1985
DT Patent
LA Japanese
OS WPI: 1987-153951 [22]

L5 ANSWER 15 OF 30 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 8
AN 1987:114757 BIOSIS
DN PREV198732053874; BR32:53874
TI EVIDENCE FOR THE PRESENCE OF A CYTOSINE DEAMINASE THAT DOES NOT CATALYZE THE DEIMINATION OF ***CREATINE*** .
AU KIM J M [Reprint author]; SHIMIZU S; YAMADA H
CS DEP AGRIC CHEM, FAC AGRIC, KYOTO UNIV, KYOTO 606, JPN
SO Febs Letters, (1987) Vol. 210, No. 1, pp. 77-80.
CODEN: FEBLAL. ISSN: 0014-5793.
DT Article
FS BR
LA ENGLISH
ED Entered STN: 28 Feb 1987
Last Updated on STN: 28 Feb 1987

L5 ANSWER 16 OF 30 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 9
AN 1987-02879 BIOTECHDS
TI Sarcosine-oxidase involved in creatinine degradation in ***Alcaligenes*** denitrificans subsp. denitrificans J9 and Arthrobacter spp. J5 and J11; enzyme purification and partial characterization
AU Kim J M; Shimizu S; Yamada H
LO Department of Agricultural Chemistry, Faculty of Agriculture, Kyoto University, Kyoto 606, Japan.
SO Agric.Biol.Chem.; (1986) 50, 11, 2811-16
CODEN: ABCHA6
DT Journal

LA English

L5 ANSWER 17 OF 30 MEDLINE on STN DUPLICATE 10
AN 86298631 MEDLINE
DN PubMed ID: 3742654
TI Purification and characterization of ***creatine*** amidinohydrolase of ***Alcaligenes*** origin.
AU Matsuda Y; Wakamatsu N; Inouye Y; Uede S; Hashimoto Y; Asano K; Nakamura S
SO Chemical & pharmaceutical bulletin, (1986 May) 34 (5) 2155-60.
Journal code: 0377775. ISSN: 0009-2363.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198610
ED Entered STN: 19900321
Last Updated on STN: 19900321
Entered Medline: 19861015

L5 ANSWER 18 OF 30 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 86:353155 SCISEARCH
GA The Genuine Article (R) Number: C7412
TI PURIFICATION AND CHARACTERIZATION OF ***CREATINE*** AMIDINOHYDROLASE OF ***ALCALIGENES*** ORIGIN
AU MATSUDA Y (Reprint); WAKAMATSU N; INOUYE Y; UEDE S; HASHIMOTO Y; ASANO K; NAKAMURA S
CS HIROSHIMA UNIV, SCH MED, FAC PHARMACEUT SCI, 1-2-3 KASUMI, MINAMI KU, HIROSHIMA 734, JAPAN (Reprint); KOBAYASHI PHARMACEUT CO LTD, CENT RES LAB, YODOGAWA KU, OSAKA 532, JAPAN
CYA JAPAN
SO CHEMICAL & PHARMACEUTICAL BULLETIN, (1986) Vol. 34, No. 5, pp. 2155-2160.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 17

L5 ANSWER 19 OF 30 LIFESCI COPYRIGHT 2004 CSA on STN DUPLICATE 11
AN 86:12838 LIFESCI
TI Purification and characterization of creatinine amidohydrolase of ***Alcaligenes*** origin.
AU Inouye, Y.; Matsuda, Y.; Naid, T.; Arai, S.; Hashimoto, Y.; Asano, K.; Ozaki, M.; Nakamura, S.
CS Inst. Pharm. Sci., Hiroshima Univ. Sch. Med., 1-2-3 Kasumi, Minami-ku, Hiroshima 734, Japan
SO CHEM. PHARM. BULL. (TOKYO)., (1986) vol. 34, no. 1, pp. 269-274.
DT Journal
FS L; J; A
LA English
SL English

L5 ANSWER 20 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1985:593663 HCAPLUS
DN 103:193663
TI Higher homolog and N-ethyl analog of ***creatine*** as synthetic phosphagen precursors in brain, heart, and muscle, repressors of liver amidinotransferase, and substrates for ***creatine*** catabolic enzymes
AU Roberts, Jeffrey J.; Walker, James B.
CS Dep. Biochem., Rice Univ., Houston, TX, 77251, USA
SO Journal of Biological Chemistry (1985), 260(25), 13502-8
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

=> d 17-19 ab

L5 ANSWER 17 OF 30 MEDLINE on STN DUPLICATE 10

L5 ANSWER 18 OF 30 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

L5 ANSWER 19 OF 30 LIFESCI COPYRIGHT 2004 CSA on STN DUPLICATE 11
AB Creatinine amidohydrolase (creatininase) from ***Alcaligenes*** sp. nov. was purified to electrophoretic homogeneity by adsorption on

deithylaminoethyl-cellulose, affinity chromatography on creatinyl-AH-Sepharose, gel filtration on Sephadex G-200 and hydroxyapatite chromatography. The molecular weight of the enzyme was estimated to be estimated 160,000 by gel filtration on Sephadex G-200 and 80,000 by sodium dodecyl sulfate (SDS)-polyacrylamide gel electrophoresis, and the enzyme was assumed to consist of two identical subunits. The enzyme showed maximum activity pH 7-8 and was stable in the pH range of 8-11.5. The enzyme catalyzed interconversion between creatinine and ***creatine*** , and the K sub(m) values for creatinine and ***creatine*** were 60.9 mM and 162 mM, respectively. Though the enzyme was markedly inactivated by ethylenediamine-tetraacetate (EDTA), N-bromosuccinimide, Zn super(2+), Cu super(2+), Ni super(2+) or Co super(2+), activation of the enzyme was only observed in the presence of Mn super(2+).

=> d 21-30

L5 ANSWER 21 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1984:82018 HCAPLUS
DN 100:82018
TI Process for purifying enzyme
IN Katsumata, Hideo; Katsumata, Shigeo; Ishii, Shinzo; Arai, Yuko
PA Kyowa Hakko Kogyo Co., Ltd. , Japan
SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 92845	A2	19831102	EP 1983-104077	19830426
	EP 92845	A3	19840314		
	EP 92845	B1	19870708		
	R: DE, FR, GB				
	JP 58209980	A2	19831207	JP 1982-70598	19820427
	JP 02060312	B4	19901214		
	US 4560661	A	19851224	US 1983-488174	19830425
PRAI	JP 1982-70598		19820427		

L5 ANSWER 22 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1981:422953 HCAPLUS
DN 95:22953
TI Preparation of creatinine amidohydrolase
PA Kobayashi Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56039781	A2	19810415	JP 1979-116369	19790911
	JP 57029992	B4	19820625		
PRAI	JP 1979-116369		19790911		

L5 ANSWER 23 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1980:512317 HCAPLUS
DN 93:112317
TI Creatinineamide hydrolase and creatineamidino hydrolase
PA Toyobo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55034029	A2	19800310	JP 1978-105039	19780828
	JP 60050437	B4	19851108		
PRAI	JP 1978-105039		19780828		

L5 ANSWER 24 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1979:589698 HCAPLUS
DN 91:189698
TI Recovery of soluble creatinoe amidinohydrolase

IN Holz, Guenter; Gramsall, Johanna; Nelboeck-Hochstetter, Michael; Bergmeyer, Hans Ulrich
PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SO Ger., 3 pp. Division to Ger. 2,122,294.
CODEN: GWXXAW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2167120	B1	19790802	DE 1971-2167120	19710505
	DE 2167120	C2	19800403		
PRAI	DE 1971-2167120		19710505		

L5 ANSWER 25 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1977:599190 HCAPLUS
DN 87:199190
TI Recovery of creatineamidinohydrolase
IN Moellering, Hans; Beaucamp, Klaus; Nelboeck-Hochstetter, Michael; Bergmeyer, Hans Ulrich
PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SO Ger. Offen., 12 pp. Division of Ger. Offen. 2,122,298.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2167035	A1	19771006	DE 1971-2167035	19710505
	DE 2167035	C3	19790510		
PRAI	DE 1971-2167035		19710505		

L5 ANSWER 26 OF 30 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 1976:231352 BIOSIS
DN PREV197662061352; BA62:61352
TI JAUNDICE IN SEVERE BACTERIAL INFECTION.
AU MILLER D J; KEETON G R; WEBBER B L; SAUNDERS S J
SO Gastroenterology, (1976) Vol. 71, No. 1, pp. 94-97.
CODEN: GASTAB. ISSN: 0016-5085.
DT Article
FS BA
LA Unavailable

L5 ANSWER 27 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:476963 HCAPLUS
DN 79:76963
TI Growth of hydrogen bacteria in urine used as a nitrogen source
AU Kesler, T. G.; Trubachev, I. N.; Voitovich, Ya. V.; Sid'ko, F. Ya.
CS Inst. Phys., Krasnoyarsk, USSR
SO Prikladnaya Biokhimiya i Mikrobiologiya (1973), 9(3), 480-3
CODEN: PBMIAK; ISSN: 0555-1099
DT Journal
LA Russian

L5 ANSWER 28 OF 30 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:68764 HCAPLUS
DN 78:68764
TI Purification of creatinine amidohydrolase
IN Moellering, Hans; Beaucamp, Klaus; Nelboeck-Hochstetter, Michael; Bergmeyer, Hans Ulrich
PA Boehringer Mannheim G.m.b.H.
SO Ger. Offen., 16 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2122298	A	19721123	DE 1971-2122298	19710505
	DE 2122298	C3	19790222		
	US 3806416	A	19740423	US 1972-249589	19720502
	NL 7205995	A	19721107	NL 1972-5995	19720504
	NL 175930	B	19840816		
	NL 175930	C	19850116		
	IT 954975	A	19730915	IT 1972-23890	19720504

	AT 311288	B	19731112	AT 1972-3879	19720504
	GB 1359403	A	19740710	GB 1972-20767	19720504
	IL 39362	A1	19741129	IL 1972-39362	19720504
	HU 166364	P	19750328	HU 1972-BO1369	19720504
	CH 572067	A	19760130	CH 1972-6622	19720504
	CA 993386	A1	19760720	CA 1972-141498	19720504
	DK 134026	B	19760830	DK 1972-2213	19720504
	FI 51358	B	19760831	FI 1972-1267	19720504
	SU 532341	D	19761015	SU 1972-1781172	19720504
	FR 2182705	B1	19770114	FR 1972-15957	19720504
	FR 2182705	A1	19731214		
	JP 57029150	B4	19820621	JP 1972-44534	19720504
	US 3912588	A	19751014	US 1973-411526	19731031
	US 3907644	A	19750923	US 1973-415463	19731113
	SE 7900292	A	19790112	SE 1979-292	19790112
PRAI	DE 1971-2122255		19710505		
	DE 1971-2122294		19710505		
	DE 1971-2122298		19710505		
	US 1972-247184		19720424		
	US 1972-249589		19720502		
	SE 1972-587		19720504		
	US 1973-411526		19731031		

L5 ANSWER 29 OF 30 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN
AN 1972-74817T [47] WPIDS
TI Growth of microorganisms - contg creatinine - amidohydrolase and creatinine-amidinohydrolase.
DC B04 D16
PA (BOEF) BOEHRINGER MANNHEIM GMBH
CYC 7

PI	NL 7205996	A		(197247)*
	DE 2122294	A		(197249)
	FR 2135301	A		(197309)
	US 3806420	A	19740423	(197418)
	SU 421200	A	19740814	(197504)
	CH 572522	A	19760213	(197615)
	DE 2167120	A	19781116	(197847)
	DE 2122294	B	19781130	(197849)
	DE 2167120	B	19790802	(197932)
	JP 47043281	A	19721218	(198112)
	JP 56007674	B	19810219	(198112)
	NL 175434	B	19840601	(198425)

ADT DE 2167120 A Div ex DE 1971-2122294 19710505, DE 1971-2167120 19710505
PRAI DE 1971-2167120 19710505; DE 1971-2122294 19710505;
DE 1971-2122298 19710505
IC C12D013-10; C12N009-86; C12R001-05

L5 ANSWER 30 OF 30 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN
AN 1972-74816T [47] WPIDS
TI Isolation of creatinine amido hydrolase and ***creatine*** - amidinohydrolase - from microorganisms, for use in clinical liver fun.
DC B04 D16 S03 S05
PA (BOEF) BOEHRINGER MANNHEIM GMBH
CYC 10

PI	NL 7205995	A		(197247)*
	DE 2122298	A		(197249)
	FR 2182705	A	19740118	(197406)
	US 3806416	A	19740423	(197418)
	GB 1359403	A	19740710	(197428)
	US 3907644	A	19750923	(197540)
	US 3912588	A	19751014	(197543)
	CH 572067	A	19760130	(197612)
	CA 993386	A	19760720	(197632)
	DE 2167034	A	19770922	(197739)
	DE 2167035	A	19771006	(197741)
	SU 532341	A	19770725	(197808)
	DE 2122298	B	19780629	(197827)
	DE 2167035	B	19780921	(197839)
	SE 7900292	A	19790618	(197927)
	DE 2167034	B	19800320	(198013)
	JP 47043283	A	19721218	(198228)
	JP 57029150	B	19820621	(198228)
	NL 175930	B	19840816	(198435)

PRAI DE 1971-2122255 19710505; DE 1971-2122298 19710505;
DE 1971-2167034 19710505
IC C07C007-02; C07G007-28; C12D013-00; C12K001-00; C12N009-78; C12N009-80;

G01N031-14; G01N033-00

=> dis his

(FILE 'HOME' ENTERED AT 18:35:08 ON 17 NOV 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 18:35:19 ON 17 NOV 2004

L1 6 S ALKALIGENES AND CREATINE
L2 54 S ALCALIGENES AND CREATINE
L3 4 S L1 NOT L2
L4 4 DUP REM L3 (0 DUPLICATES REMOVED)
L5 30 DUP REM L2 (24 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	109.75	109.96

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 18:49:55 ON 17 NOV 2004

Slobodyansky, Elizabeth

From: Slobodyansky, Elizabeth
Sent: Wednesday, November 17, 2004 4:44 PM
To: STIC-PatentLawLib
Subject: 10/807,228

Please do the litigation search for the above reissue application.

Thank you.

Elizabeth Slobodyansky, PhD

Primary Examiner
Art Unit 1652
REM 2D83
571-272-0941
MAILBOX 2C70

Query/Command : ..ba pluspat; (us6080553)/PN /XPN

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-To extract cited patents with only high relevancy code, use mem/xctx
Last update of file: 2004/11/17 (YYYY/MM/DD) 2004-46/UP (basic update)

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT SS 1 MAX 1

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :
US6080553 A 20000627 [US6080553]

Title :
(A) Creatine amidinohydrolase, production thereof and use thereof

Patent Assignee :
(A) TOYO BOSEKI (JP)

Patent Assignee :
Toyo Boseki Kabushiki Kaisha, Osaka [JP]

Inventor(s) :
(A) SOGABE ATSUSHI (JP); HATTORI TAKASHI (JP); NISHIYA YOSHIAKI (JP); KAWAMURA YOSHIHISA (JP)

Application Nbr :
US79989797 19970213 [1997US-0799897]

Priority Details :
JP2543596 19960213 [1996JP-0025435]

Intl Patent Class :
(A) C12N-001/00 C12N-001/20 C12N-009/78 C12Q-001/34

EPO ECLA Class :
C12Q-001/34
G01N-033/52

US Patent Class :
ORIGINAL (O) : 435018000; CROSS-REFERENCE (X) : 435192000 435227000 435252300 435252330 435320100 435829000

Document Type :
Corresponding document

Citations :
US3806420; US3907644; US5451520; JP62091182; JP07265074

Publication Stage :
(A) United States patent

Abstract :
A creatine amidinohydrolase having the following physicochemical properties:
Action: catalyzing the following reaction;
- creatine+H2 O --> sarcosine+urea
Optimum temperature: about 40-50 (degree) C.
Optimum pH: pH about 8.0-9.0
Heat stability: not more than about 50 (degree) C. (pH 7.5, 30 min)
Km value for creatine in a coupling assay using a sarcosine oxidase and a peroxidase: about 3.5-10.0 mM
Molecular weight: about 43,000 (SDS-PAGE)
Isoelectric point: about 3.5,
a method for producing said enzyme, comprising culture of microorganism producing said enzyme, a method for the determination of creatine or

creatinine in a sample using said enzyme, and a reagent therefor.

Update Code :

2000-26

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Wednesday, November 17, 2004

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L7	L6 and (sequence or gene)	35
☐	L6	L2 not l4	55
☐	L5	L1 not l2	0
☐	L4	L2 and (te3581 or p-14237)	4
☐	L3	L2 not l1	35
☐	L2	alcaligenes and creatine	59
☐	L1	alcaligenes and amidinohydrolase	24

END OF SEARCH HISTORY

h e b b cg b chh e f c e e b

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 6080553 A

Using default format because multiple data bases are involved.

L4: Entry 1 of 4 File: USPT Jun 27, 2000

US-PAT-NO: 6080553
DOCUMENT-IDENTIFIER: US 6080553 A

TITLE: Creatine amidinohydrolase, production thereof and use thereof

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sogabe; Atsushi	Tsuruga			JP
Hattori; Takashi	Tsuruga			JP
Nishiya; Yoshiaki	Tsuruga			JP
Kawamura; Yoshihisa	Tsuruga			JP

US-CL-CURRENT: 435/18; 435/192, 435/227, 435/252.3, 435/252.33, 435/320.1, 435/829

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 2. Document ID: JP 08308579 A

L4: Entry 2 of 4 File: JPAB Nov 26, 1996

PUB-NO: JP408308579A
DOCUMENT-IDENTIFIER: JP 08308579 A
TITLE: GENE ENCODING CREATINE AMIDINOHYDROLASE

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 3. Document ID: JP 07265074 A

L4: Entry 3 of 4 File: JPAB Oct 17, 1995

PUB-NO: JP407265074A
DOCUMENT-IDENTIFIER: JP 07265074 A
TITLE: NEW CREATINE AMIDINOHYDROLASE AND ITS USE

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 4. Document ID: JP 07265074 A, JP 3114838 B2

L4: Entry 4 of 4 File: DWPI Oct 17, 1995

DERWENT-ACC-NO: 1995-388685
DERWENT-WEEK: 200065

TITLE: Creatine amidino:hydrolase - catalyses conversion of creatine to sarcosine and urea

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L2 and (te3581 or p-14237)	4

Display Format: - Change Format

Previous Page Next Page Go to Doc#

h e b b g e e e f e ef b e

First Hit Previous Doc Next Doc Go to Doc#

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L4: Entry 3 of 4 File: JPAB Oct 17, 1995

DOCUMENT-IDENTIFIER: JP 07265074 A
TITLE: NEW CREATINE AMIDINOHYDROLASE AND ITS USE

Abstract Text (1):
PURPOSE: To obtain a new creatine amidinohydrolase, useful as reagents for determining creatine and creatinine, excellent in thermal stability, having a low Km value for the creatine and good in reactivity.

Abstract Text (2):
CONSTITUTION: This creatine amidinohydrolase is obtained by culturing Alcaligenes faecalis TE3581 (FERM P-14237), etc., and has the following properties: (1) reacting with creatine and producing sarcosine and urea; (2) optimum temperature: about 40-45°C; (3) optimum pH: about 8.0-9.0; (4) stable at ≤ about 50°C when kept warm at pH7.5 for 30min; (5) stable at pH about 5-8 when preserved at 40°C for 18hr; (6) about 15.2mM value of Km for creatine; (7) molecular weight: about 67000 (measured by the gel filtration method) and about 43000 [measured by the sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)] and (8) isoelectric point: about 3.5.

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Hit List

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Search Results - Record(s) 1 through 10 of 35 returned.

1. Document ID: US 20040171671 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 35 File: PGPB Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040171671
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040171671 A1

TITLE: Therapeutic compositions (II)

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Veech, Richard Lewis	Rockville	MD	US	

US-CL-CURRENT: 514/450; 549/267

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

2. Document ID: US 20040073966 A1

L7: Entry 2 of 35 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073966
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040073966 A1

TITLE: Herbicide-tolerant plants through bypassing metabolic pathway

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zink, Olivier	Clermont-Ferrand		FR	
Paget, Eric	Caluire		FR	
Rolland, Anne	Lyon		FR	
Sailland, Alain	Saint-Didier-Au-Mont-D'or		FR	
Freyssinet, Georges	Saint-Cyr-Au-Mont-D'or		FR	

US-CL-CURRENT: 800/278; 435/189, 504/116.1, 530/370

h e b b g e e e f e ef b e

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20040072288 A1

L7: Entry 3 of 35 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040072288
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040072288 A1

TITLE: Methods for altering cell fate to generate T-cells specific for an antigen of interest

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Collas, Philippe	Oslo	SD	NO	
Robl, James M.	Brandon		US	
Skalhegg, Bjorn Steen	Blommenholm		NO	

US-CL-CURRENT: 435/69.1; 435/372, 435/455

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20040052820 A1

L7: Entry 4 of 35 File: PGPB Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040052820
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040052820 A1

TITLE: Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bolognesi, Dani Paul	Durham	NC	US	
Matthews, Thomas James	Durham	NC	US	
Wild, Carl T.	Durham	NC	US	
Barney, Shawn O?apos;Lin	Cary	NC	US	
Lambert, Dennis Michael	Cary	NC	US	
Petteway, Stephen Robert	Cary	NC	US	
Langlois, Alphonse J.	Durham	NC	US	

US-CL-CURRENT: 424/208.1; 424/188.1, 424/204.1, 530/300, 530/350

h e b b g e e e f e ef b e

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 20040033235 A1

L7: Entry 5 of 35 File: PGPB Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040033235
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040033235 A1

TITLE: Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides useful for treating aids

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bolognesi, Dani Paul	Durham	NC	US	
Matthews, Thomas James	Durham	NC	US	
Wild, Carl T.	Durham	NC	US	

US-CL-CURRENT: 424/186.1; 424/187.1, 424/188.1, 424/208.1, 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 6. Document ID: US 20030175846 A1

L7: Entry 6 of 35 File: PGPB Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175846
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030175846 A1

TITLE: Methods, compositions and apparatuses for detection of gamma-hydroxybutyric acid (GHB)

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Parsons, Stanley M.	Santa Barbara	CA	US	
Harris, David O.	Santa Barbara	CA	US	
Bravo, Dawn T.	Santa Barbara	CA	US	

US-CL-CURRENT: 435/25; 435/4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

h e b b g e e e f e ef b e

☐ 7. Document ID: US 20030119084 A1

L7: Entry 7 of 35 File: PGPB Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119084
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030119084 A1

TITLE: Variants of Erwinia-type creatinase

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shao, Zhixin	Penzberg		DE	
Schmuck, Rainer	Benediktbeuern		DE	
Kratzsch, Peter	Antdorf		DE	
Kenklies, Janet	Penzberg		DE	
Weisser, Harald	Bernried		DE	

US-CL-CURRENT: 435/18; 435/227, 435/252.3, 435/320.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 8. Document ID: US 20030044783 A1

L7: Entry 8 of 35 File: PGPB Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044783
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030044783 A1

TITLE: Human genes and gene expression products

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Williams, Lewis T.	Mill Valley	CA	US	
Escobedo, Jaime	Alamo	CA	US	
Innis, Michael A.	San Francisco	CA	US	
Garcia, Pablo Dominguez	Kensington	CA	US	
Sudduth-Klinger, Julie	Alameda	CA	US	
Reinhard, Christoph	Oakland	CA	US	
Randazzo, Filippo	San Francisco	CA	US	
Kennedy, Giulia C.	Arlington	VA	US	
Pot, David	Oakland	CA	US	
Kassam, Altaf	Moraga	CA	US	
Lamson, George	Palo Alto	CA	US	
Drmanac, Radjoe	Hollister	CA	US	

h e b b g e e e f e ef b e

Dickson, Mark	Mountain View	CA	US
Labat, Ivan	Sunnyvale	CA	US
Jones, Lee William	Sunnyvale	CA	US
Stache-Crain, Birgit			US

US-CL-CURRENT: 435/6; 435/183, 435/320.1, 435/325, 435/69.1, 530/350, 530/388.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 9. Document ID: US 20030022937 A1

L7: Entry 9 of 35 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022937
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030022937 A1

TITLE: Therapeutic compositions

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Veech, Richard L.	Rockville	MD	US	

US-CL-CURRENT: 514/557; 514/547

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 10. Document ID: US 20020169562 A1

L7: Entry 10 of 35 File: PGPB Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169562
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020169562 A1

TITLE: Defining biological states and related genes, proteins and patterns

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stephanopoulos, Gregory	Chester	MA	US	
Misra, Jatin	Cambridge	MA	US	
Hwang, Daehee	Cambridge	MA	US	
Schmitt, William A. JR.	Boston	MA	US	
Alevizos, Ilias	Watertown	MA	US	
Silva, Saliya Sudharshana	Kandy	CO	LK	

h e b b g e e e f e ef b e

Gill, Ryan T. Boulde US

US-CL-CURRENT: 702/19; 435/6, 530/350, 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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Terms	Documents
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Search Results - Record(s) 31 through 35 of 35 returned.

☐ 31. Document ID: US 5043279 A

Using default format because multiple data bases are involved.

L7: Entry 31 of 35 File: USPT Aug 27, 1991

US-PAT-NO: 5043279
DOCUMENT-IDENTIFIER: US 5043279 A

TITLE: DNA encoding a bacillus creatinase

DATE-ISSUED: August 27, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sagai; Hitoshi	Mishima			JP
Masujima; Harumi	Mishima			JP
Ikuta; Shigeru	Shizuoka			JP
Suzuki; Koji	Shizuoka			JP

US-CL-CURRENT: 435/227; 435/235.1, 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/91.1, 435/91.41, 435/91.53, 530/350, 536/23.2, 536/23.7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 32. Document ID: JP 2000201675 A

L7: Entry 32 of 35 File: JPAB Jul 25, 2000

PUB-NO: JP02000201675A
DOCUMENT-IDENTIFIER: JP 2000201675 A
TITLE: HEAT-RESISTANT CREATINE AMIDINOHYDROLASE AND ITS PRODUCTION

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 33. Document ID: JP 10174585 A

L7: Entry 33 of 35 File: JPAB Jun 30, 1998

PUB-NO: JP410174585A
DOCUMENT-IDENTIFIER: JP 10174585 A
TITLE: STABLE CREATINE AMIDINOHYDROLASE

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 34. Document ID: JP 08089255 A

L7: Entry 34 of 35 File: JPAB Apr 9, 1996

PUB-NO: JP408089255A
DOCUMENT-IDENTIFIER: JP 08089255 A
TITLE: NOVEL CREATINE AMIDINOHYDROLASE GENE, NOVEL RECOMBINANT DNA AND PRODUCTION OF CREATINE AMIDINOHYDROLASE

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 35. Document ID: US 3365362 A

L7: Entry 35 of 35 File: USOC Jan 23, 1968

US-PAT-NO: 3365362
DOCUMENT-IDENTIFIER: US 3365362 A

TITLE: Antibiotic for treating tuberculosis and method of producing same

DATE-ISSUED: January 23, 1968

INVENTOR-NAME: DENISE MANCY; LEON NINET ; JEAN PREUD HOMME

US-CL-CURRENT: 424/121, 435/128, 435/886, 435/897, 514/2, 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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Terms	Documents
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L4: Entry 2 of 4 File: JPAB Nov 26, 1996

DOCUMENT-IDENTIFIER: JP 08308579 A
TITLE: GENE ENCODING CREATINE AMIDINOHYDROLASE

Abstract Text (1):
PURPOSE: To obtain the subject new gene encoding a specific amino acid sequence or creatine amidinohydrolase containing the amino acid sequence or that deficient in or substituted with a part of the amino acids, excellent in thermostability, useful for a clinical test medicine, etc., producing gene encod ing creatine amidinohydrolase.

Abstract Text (2):
CONSTITUTION: This gene encoding creatine amidinohydrolase has an amino acid sequence of the formula or an amino acid sequence to which one or plural amino acids are added or which is deficient in or substituted with the one or plural amino acids in the amino acid sequence of the formula and which brings about creatine amidinohydrolase activity. The gene has an action to hydrolyze creatine and form sarcosine and urine, 40-45°C optimum temperature, optimum pH at 8.0 to 9.0, is stable at about pH 4 to 10 and has about 43,000 molecular weight (SDS-PAGE) and about 3.5 isoelectric point. The gene is obtained by separating a chromosomal DNA from Alcaligenes faecalis TE3581 (FERM P-14, 237), making its library and screening.

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WEST Search History

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DATE: Wednesday, November 17, 2004

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		DB=USPT; PLUR=YES; OP=ADJ	
☐	L4	5451520.pn.	1
☐	L3	4420562.pn.	1
☐	L2	3907644.pn.	1
☐	L1	3806420.pn.	1

END OF SEARCH HISTORY

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